

KOS'KOV, Boris Ivanovich; PAVLOV, Kuz'ma Petrovich; GAN'SHIN, V.N.,  
prof., retsenzent; VIDUYEV, N.G., prof., retsenzent;  
KUROCHKIN, A.A., kand. tekhn. nauk, red.; SHURYGINA, A.I.,  
red.izd-va; ROMANOVA, V.V., tekhn. red.

[Manual for the realization of plans and building of towns  
and settlements] Rukovodstvo po perenosu proektov plani-  
rovki i zastroiki gorodov i poselkov v natury. 2 izd., ispr.  
i dop. Moskva, Gosgeoltekhizdat, 1963. 261 p.

(MIRA 16:11)

(City planning)

VIDUTEV, Nikolay Grigor'yevich; RAKITOV, Daniil Ivanovich; GAN'SHIN,  
V.N., red.

[Application of surveying to engineering and construction  
operations; surveying at building sites] Prilozhenie geode-  
zii v inzhenerno-stroitel'nom dele; geodezicheskie raboty  
na stroitel'noi ploschadke. Izd.2., ispr. i dop. Moskva,  
Izd-vo "Nedra," 1964. 398 p. (MIRA 17:7)

GAN'SHIN, V.N., kand. tekhn. nauk

Solving geodetic problems by the inversion of trigonometric series. Izv. vys. ucheb. zav.; geod. i aerof. no.2:29-37 '64.  
(MIRA 17:9)

1. Leningradskiy institut inzhenerov zheleznodorozhnogo transporta. Rekomendovana kafedroy geodezii.

GAN'SHIN, V.N., prof.

Geometry of normal sections of the earth ellipsoid in connection  
with the solution of geodetic problems. Izv. vys. ucheb. zav.;  
geod. i aerof. no.5:3-11 '64. (MIRA 18:5)

1. Leningradskiy Institut inzhenerov zheleznodorozhnogo transporta.  
Rekomendovana kafedroy geodezii.

GAN'SHIN, V.N.

Carrying over to natural conditions by intersection. Geod. 1  
kart. no.8:38-39 Ag '64.

(MIRA 17:11)

GAN'SHIN, V.N.

Formulas for solving geodetic problems for arbitrary distances  
along a geodetic line. Geod. i kart. no.9:3-8 S '64.  
(MIRA 17:12)

KUPCHINOV, Ivan Iosifovich, doktor tekhn. nauk, prof.; LEBEDEV, S.M.,  
prof.; GAN'SHIN, V.N., red.

[Surveying in large-scale industrial construction] Geodeziia  
pri krupnom promyshlennom stroitel'stve. 2. izd., perer.  
Moskva, Nedra, 1965. 299 p. (MIRA 18:4)

GAN'SHIN, V.N., kand. tekhn. nauk; SPORYSHKOVA, N.A., inzh.

Calculating rounding-off errors. Izv. vys. ucheb. zav.; geod.  
1 aerof. no.2:51-58 '65. (MIRA 18:10)

1 Leningradskiy institut inzhenerov zheleznodorozhnogo transporta  
(for Gan'shin). 2. Volgogradskiy institut inzhenerov gorodskogo  
khozyaystva (Sporyshkova). Submitted June 1, 1964.



LEBEDINSKIY, A.V. [deceased]; MEYEDOV, Yu.G.; DOMSHIYAK, M.P.; SYDOV, N.I.;  
DARMSKAYA, N.G.; BIBIKOVA, A.F.; GARCHINA, A.H.; IZBENOV, B.I.

Biological effect of 510 MEV protons in fractional irradiation.  
Radiobiologiya 5 no.1:72-76 '65. (MIRA 18:3)

GAISHINA, A.N.

Some data on the combined action of radiation and vibration on  
animals (morphological study). Med.rad. no.5:71-75 '61.

(MIRA 14:11)

(RADIATION—PHYSIOLOGICAL EFFECT)  
(VIBRATION—PHYSIOLOGICAL EFFECT)

GANSHINA, A. N.

GANSHINA, A. N.: "Morphological changes in isolated nerves preserved in isotonic salt solutions and their usefulness in neuroplastic surgery." Acad Med Sci USSR. Moscow, 1955. (Dissertation for the Degree of Candidate in Biological Sciences).

Source: Knizhnaya letopis' No. 28 1956 Moscow

L 31342-65 ENT(m) DIAAP

B/0205/65/005/001/0072/0076

ACCESSION NR: AP5005523

AUTHOR: Lebedinskiy, A. V. (Deceased); Nefedov, Yu. G.; Domshlak, M. P.; Ryzhov, N. I.; Darenskaya, N. G.; Bibikova, A. F.; Ganshina, A. N.; Lebedev, B. I.

TITLE: The biological effects of fractional irradiation by 510-Mev protons on dogs

SOURCE: Radiobiologiya, v. 5, no. 1, 1965, 72-76

TOPIC TAGS: high energy proton, biological effect, dog

ABSTRACT: Little data has been published on the effect of high-energy protons on larger animals. It is theorized by the authors that the biological effectiveness of protons on larger animals would be more pronounced than on small animals. To test this theory, the authors investigated 12 dogs divided into two groups (6 dogs each) according to conditions of irradiation; the first group was irradiated 19 times over a period of 40 days with a total dose of 650 r. The second group was irradiated 8 times over a period of 15 days with a total dose of 690 r. The radiation doses in the first group ranged from 10 to 79 r and in the second group from 71 to 109 r. The experiments were conducted at the Joint Institute of Nuclear Research on the UYAP synchrocyclotron. The unit was arranged so that a 510-Mev proton beam hit a section 40 cm in diameter at 1 rad/sec. It was found that both

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ACCESSION NR: AP5005523

groups exhibited functional and morphological symptoms of severe radiation sickness, typical of this type of radiation. In comparison with clinical data on the effects of x-rays, protons generally had the same effects. However, dogs irradiated with protons exhibited some symptoms peculiar to this radiation; the hemorrhagic syndrome was more pronounced, and, when death took place, there was a relatively higher leukocyte content in the peripheral blood and generally lower bone-marrow blood formation in the form of a somewhat greater depth of damage to cells of the erythroblastic system. An examination of the structures of the central nervous system revealed damage to neural and glial structures and disruption of blood and fluid circulation. Orig. art. has: 5 figures. [CD]

ASSOCIATION: none

SUBMITTED: 19Feb63

ENCL: 00

SUB CODE: LS

NO REF SOV: 003

OTHER: 007

ATD PRESS: 3201

Card 2/2

L 11275-07 RTT(1)/  
ACC NR: AT6029633

SOURCE CODE: UR/0000/66/000/000/0242/0254

AUTHOR: Lebedinskiy, A. V. (deceased); Mafedov, Yu. G.; Domshlak, M. P.; Klompantkaya, N. N.; Moskalov, Yu. I.; Rychov, N. I.; Daronskaya, N. G.; Bibikova, A. F.; Ganchina, G. R.; Lobodov, B. I.; L'vitsyna, G. M.; Shashkov, I. F.; Derbonova, N. I.; Gorasimova, G. R.

ORG: none

TITLE: Model investigations of cosmic radiation biologic effect

SOURCE: Voprosy obshchey radiobiologii (Problems of general radiobiology). Moscow, Atomizdat, 1966, 242-254

TOPIC TAGS: dog, rat, induced radiation effect, cosmic radiation biologic effect, proton radiation biologic effect, relative biologic efficiency

ABSTRACT: With space flights of longer duration, cosmic rays, radiation belts and solar flares present an increasing danger to astronauts. However, relatively little is known of the biologic effect of cosmic radiation and its components, particularly high energy protons. In the present study the RBE of high energy protons was compared in large laboratory animals (dogs) and small laboratory animals (rats) to determine possible RBE differences. In a series of experiments groups of dogs were irradiated with high energy protons and X-irradiation (or gamma irradiation) in fractional and

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L 11275-67

ACC NR: AT6029633

0

single doses of 250 to 650 rads; groups of rats (Wistar line) were also irradiated in fractional and single doses of 300 to 1200 rads. A synchrocyclotron was used for proton irradiation (510 Mev, field diameter 40 cm, dose rate of 1 rad/sec). Clinical symptoms, histological investigations, EEG data, mean survival periods, and post mortem examinations served as indices. Results show that with fractional dose irradiation of dogs, the RBE of proton irradiation (510 Mev) and X-irradiation (180 kv) is the same (1.0). With fractional irradiation of rats, the RBE of proton irradiation is 0.8. With single dose irradiation of dogs, the RBE of protons is 1.15 compared to gamma irradiation. With single dose irradiation of rats, the RBE of protons is 0.75 compared to gamma irradiation. No conclusions are drawn. Orig. art. has: 4 tables and 6 figures.

SUB CODE: 06/ SUBM DATE: 23Apr66/ ORIG REF: 004/ OTH REF: 004

Card 2/2    jb

KHAIIT, E.V.; KACHANYUK, Yu.K.; BATIK'YAN, B.A.; GANSHINA, I.V.

Producing a dull finish on capron resin during the continuous polymerization of caprolactam. Khim.volok. no.4:56-58 '59.  
(MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

(Hexamethylenimine)



VYSOTSKIY, A.A.; KAMELIN, V.P.; SHUTOV, A.F., nauchn. red.;  
GANSHINA, L.F., red.

[Chemical action during tapping and turpentine] Khimicheskoe vozdeistvie pri podsochke i osmolopodsochke. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl., i lesnomu khoz., 1964. 19 p. (MIRA 17:12)

1. Kirovskiy nauchno-issledovatel'skiy institut lesnoy promyshlennosti (for Vysotskiy). 2. Trest "Kirkhimleszag" (for Kamelin).

GAN'SHINA, M.S.

Micromorphological examination of the esophageal receptors in  
predatory birds. Nauch. dokl. vys. shkoly; biol. nauki no.2:  
71-75 '61. (MIRA 14:5)

1. Rekomendovana kafedroy gistologii Stalingradskogo meditsinskogo  
instituta.  
(BIRDS OF PREY) (ESOPHAGUS—INNERVATION)

GANSHTAK, V. (g.Sverdlovsk); GOTLOBER, V. (g.Sverdlovsk)

Problems in consolidating business accounting. Fin. SSSR 22  
no.10:40-45 0 '61. (MIRA 14:9)  
(Sverdlovsk Province--Finance)

GANSHTAK, V., dotsent

Problem demanding the attention of economists. Sots. trud 7  
no.9:34-40 S '62. (MIRA 15:9)

1. Ural'skiy politekhnicheskiy institut im. S.M.Kirova.  
(Ural Mountain region--Machinery industry)

GANSHTAK, V. I.

Khoziaistvennyi raschet v tsekhe mashinostroitel'nogo zavoda. Sverdlovsk, Mashgiz, 1946. 116 p.

Workshop economy in a machine-building plant.

DLC: TJ1135.G28

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

GANSHTAR, V. I.

A technical-economic analysis of machine-shop work. Sverdlovsk, Gos. nauch.-tekhn.  
izd-vo mashinostroit. lit-ry, 1947. 185 p. (49-52299)

TJ1135.G3

GANSHTAK, V. I.

D-5 GANSHTAK, V. I. Vuzam nuzhny stabil'nyye shtaty (Schools of higher education need stable staffs). In: Vestnik vysshey shkoly (Moscow), 9;63, 1951. DLC L51.VM2:FDD

Suggestions for the improvement of salary conditions (the so-called "System of staff remuneration") in schools of higher education.

1. GANSHTAK, V. I.
  2. SSR (600)
  4. Agricultural Machinery Industry
  7. Review of the book "Organization and application of intra-plant self-financing at factories engaged in the manufacture of agricultural machinery." Reviewed by V. I. Ganshtak. Sel'khoz mashina, No. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Uncl.



GANSHTAK, V., GOTLOBER, V.

Scientific working out of the economics of socialist enterprises. Vop.  
ekon., No 8, 1952.

ZEUKOV, P.A.; GANSHTAK, V.I.; KRUPATKINA, B., redaktor; UL'YANOVA, M.,  
tekhnicheskii redaktor

[The leading role of socialist industry in the development of Soviet  
agriculture] Vedushchaia rol' sotsialisticheskoi promyshlennosti v  
vazvitii sel'skogo khoziaistva, 1954. 62 p. (MLRA 9:12)  
(Agriculture) (Industrialization)

CHISTOV, I.F.; GANSHINA, L.F.

- Intensification of the production of ethyl acetate. Gidroliz.i  
lesokhim.prom. 13 no.1:20-23 '60. (MIRA 13:5)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy  
institut.

(Ethyl acetate)

GANSHTAK, V.I.

Sebestoimost' produktsii v mashino-  
stroenii (Cost of production in machine-building)  
Moskva, Mashgiz, 1954. 148 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

GANSHTAK, V.I.

BATOV, B.I., inzhener; GANSHTAK, V.I., kandidat ekonomicheskikh nauk.

"Accounting system of thermal electric power stations." M.N.Laskin.  
Reviewed by B.I.Batov, V.I.Ganshtak. Elek.sta. 25 no.10:63-64 0 '54.  
(Electric power stations) (Laskin, M.N.) (MLRA 7:11)

VERSHPININ, A.; GANSHTAK, V.

"Analysis of production costs and finance of a machine-building  
factory." I.I.Poklad. Reviewed by A.Vershinin, V.Ganshtak. Fin. i  
kred. SSSR no.3:87-89 Nr '54. (MLRA 7:4)  
(Poklad, I.I.) (Machine industry--Finance)

GANSHTAK, V.I., dotsent, kandidat ekonomicheskikh nauk. (Reviewer)

A useful practical manual ("Organization and technical plan for a machine-building plant." I.IA.Kasitskii. Reviewed by V.I.Ganshtak).  
Vest.mash.34 no.4:102-104 Ap '54. (MLRA 7:5)  
(Machinery industry) (Kasitskii, I.IA.)

GANSHTAK, V. I.  
USSR/ Miscellaneous - Book review

Card 1/1 Pub. 128 - 27/31

Authors : Aristov, I. A.; Boginskiy, M. N., Engineers; Zablonskiy, K. I.; and  
Kudryavtsev, V. N., Cand. Tech. Sc.

Title : Critique and bibliography

Periodical : Vest. mash. 35/5, 84-88, May 1955

Abstract : Critical review is given on the following technical books: "Cost of  
Production in Machine Construction Industry," by V. I. Ganshtak; "Design  
and Planning of Gear and Worm Gear Transmissions and Reducing Gear," by  
Ilyenko, M. S., Grebenyuk, A. I., and Nikol'skiy, D. N. Table.

Institution : .....

Submitted : .....



USSR/ Miscellaneous - Book review

Card 1/1 Pub. 128 - 23/28

Authors : Ignat'ev, A. K., Eng.; Bart, F. P., Cand. of Mech. Sc.; Ganshtak, V. I.,  
Cand. of Econ. Sc.; and Zvorono, B. P., Cand. of Mech. Sc.

Title : Review of books

Periodical : Vest. mash. 35/6, 86 - 90, Jun 1955

Abstract : An extensive review is given of Ya. M. Pavlov's book, "Machine Components," published by "Mashgiz" 1954; a book, "Planning of Subsidiary Shops for a Machine Construction Plant," published by "Mashgiz" 1954; and V. F. Romanovskiy's book, "Textbook on Cold Stamping," published by "Mashgiz" 1954.

Institution : .....

Submitted : .....

GANSHTAK, V.I.; BOGINSKIY, I.N., inzhener, redaktor; TEMKIN, A.V., redaktor;  
UVAROVA, A.F., tekhnicheskiy redaktor.

[Cost of production in machine-building] Sebestoinost' produktsii v  
mashinostreemii. Izd. 2-ee, perer. i dop. Moskva, Gos.nauchno-tekhn.  
izd-vo mashinostreitel'noi lit-ry, 1956. 153 p. (MIRA 9:6)  
(Machinery industry--Costs)

GANSHTAK, V.

Labor economics of the administrative apparatus of industrial enterprises. Sots. trud no.12:10-19 D '56. (MLRA 10:2)

(Industrial management)  
(Employment management)

PHASE I BOOK EXPLOITATION

772

Ganshtak, Vladimir Iosifovich, and Zhukov, Pavel Aleksandrovich

Spetsializatsiya i kooperirovaniye v promyshlennosti; na primere promyshlennosti Sverdlovskoy oblasti (Specialization and Cooperation in Industry; Examples From the Industry of Sverdlovsk Oblast) Moscow, Gospolitizdat, 1957. 152 p. 20,000 copies printed.

Ed.: Tyagay, Ye.; Tech. Ed.: Troyanovskaya, N.

PURPOSE: This book is intended for the general reader interested in the extent and significance of industrial specialization and cooperation in the Soviet Union and in Sverdlovsk Oblast in particular.

COVERAGE: The book briefly reviews some of the more serious cases where the lack of specialization in various manufacturing

Card 1/4

Specialization and Cooperation in Industry (Cont.) 772

establishments and inadequate cooperation between plants and industries significantly retarded economic progress. Numerous cases cited by the authors have been taken from the industrial experience of the Soviet Union and from the experiences of industrial establishments located in Sverdlovsk Oblast. According to the authors, at one time there were more than 3,000 plants engaged in metal-working, mechanical maintenance, and the manufacture of machinery, which were administered by other than manufacturing ministries and departments. These plants possessed more than 50 percent of all Soviet metal-cutting machine tools and about 60 percent of all press-forging equipment, but they turned out less than 30 percent of the total volume of machinery produced in the USSR. These plants produced a variety of machines and mechanisms, but low output levels prevented any degree of specialization. The Ministry of Agriculture alone produced about 10 percent of the total machine tools and 24 percent of the press-forging equipment manufactured in the USSR.

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Specialization and Cooperation in Industry (Cont.) 772

Because of inadequate specialization and cooperation the plants of this ministry were turning out substandard machine tools, often of old design, whose production costs remained quite high. There are no references.

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AVAILABLE: Library of Congress (HD70.R9G3)	

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10-23-58

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*GANSHTAK, VLADIMIR IOSIFOVICH*

PHASE I BOOK EXPLOITATION

305

Ganshtak, Vladimir Iosifovich

Ocherki po ekonomike mashinostroitel'noy promyshlennosti SSSR  
(Essays on the Economics of the Machine-building Industry  
of the USSR) Simferopl', Mashgiz, 1957. 418 p. 6,000  
copies printed.

Ed.: Frolov, Ye. P.; Ed. of Publishing House: Bogolyubova, I.Yu.  
(Deceased); Tech. Ed.: El'kind, V.D.

PURPOSE: The book is intended for a wide circle of engineers,  
technical personnel, and economists in the machine-building  
industry, and also for scientific workers and students in  
institutions of higher learning.

COVERAGE: The book discusses the following basic problems of  
the economics of the USSR's machine-building industry: the  
development of machine building as a leading branch of industry;  
technical developments in machine building; concentration,  
specialization, cooperation, and combination in the machine-  
building industry; principal and turnover funds; personnel,

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Essays on the Economics of the Machine-building Industry (Cont.) 305  
 cadres, labor productivity, and wages; cost of production  
 and profitability in machine building. The book also  
 indicates ways and means for greater utilization of resources  
 in the further growth and improvement of production. According  
 to the foreword, this is a first attempt to consider the  
 principal questions of economics of machine building on the  
 basis of their connections and interrelations. The text is  
 abundantly illustrated with statistical data and examples.  
 There are 250 Soviet references.

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Profitableness of machine-building enterprises and  
ways of increasing it 397

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AVAILABLE: Library of Congress

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Card 7/7

GANSHTAK, V. I., Cand. Economic Sci.; TRUMAN, N. Ya., Eng.

"Economic Effectiveness of Improved Technological Processes" p. 176-201 in book  
Increasing the Quality and Efficiency of Machinery, Moscow, Mashgiz, 1957,  
626pp.

GANSHTAK, V. I.

GANSHTAK, V. I.

Strengthening business accounting in industry. Fin.SSSR 18  
no.6:19-26 Je '57. (MIRA 10:12)  
(Machinery industry--Costs)



GANSHTAK, V.I., kandidat ekonomicheskikh nauk.

Scientific problems of economy in the electric industries. Vest.  
elektroprom, 28 no.5:61-62 My '57. (MIRA 10:6)

1. Ural'skiy politekhnicheskiy institut.  
(Electric industries)

BENUNI, A.Kh.; GANSHTAK, V.I.

"Planning and economics in nonferrous metallurgy enterprises" by  
A.I. But. Reviewed by A.Kh. Benuni, V.I. Ganshtak. TSvet.net.  
30 no.6:86-88 Je '57. (MIRA 10:7)  
(Nonferrous metals--Metallurgy) (But, A.I.)

*GANSHTAK*

GANSHTAK, Vladimir Iosifovich; GOTLOBER, Valentin Mikhaylovich; BAYEV, L.K.,  
nauchnyy red.; PAKLEYEVA, T.F., red.; GUBIN, M.I., tekhn.red.

[Economic effectiveness of introducing new equipment] Ekonomicheskaia effektivnost' vnedreniia novoi tekhniki. Moskva, Izd-vo "Znanie," 1958. 36 p. (Vsesoiuznoe obshchestvo po rasprostraneniuiu politicheskikh i nauchnykh znani. Ser.3, no.35) (MIRA 11:3)  
(Efficiency, Industrial)

25(5)

PHASE I BOOK EXPLOITATION

SOV/1392

Leningrad. Inzhenerno-ekonomicheskiy institut

Organizatsiya i planirovaniye ravnomernoy raboty mashinostroitel'nykh predpriyatiy; Mezhvuzovskoye soveshchaniye. Doklady (Organization and Planning of Uniform Work in Machine-building Enterprises; Conference of Vuzes. Reports) Moscow, Mashgiz, 1958, 306 p. (Series: Its: Trudy, vyp.22) 4,000 copies printed.

Eds.: S.A. Volkov, and E.G. Tateyosov.; Tech. Ed.: L.V. Sokolova; Managing Ed. for Literature on Machine-building Technology (Mashgiz): Ye.P. Naumov, Engineer.

**PURPOSE:** This collection of articles is intended for engineering and technical personnel in machine-building establishments, and for scientific workers and students of institutes and departments of engineering and economics.

**COVERAGE:** This collection of articles contains reports by workers from vuzes, scientific research institutes, and industrial establishments presented at the conference of vuzes on the subject: "Organization and Planning of Uniform Operations in Machine-building Establishments." These reports discuss general problems encountered in organization, analysis, and theory of uniform production, as well as problems in schedule planning, technical preparation, and production specialization.

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Tatevosov, K.G., Docent, Candidate of Technical Sciences (Leningradskiy inzhenero-ekonomicheskii institut [Leningrad Institute of Engineering and Economics]). Studies Under the Auspices of the Department of Organization and Planning at the Leningrad Institute of Engineering and Economics in the Field of the Uniformity of Production in Machine-building Plants

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Ganshtak, V.I., Docent, Candidate of Economic Sciences, and I.A. Rozenberg, Docent, Candidate of Economic Sciences (Ural'skiy Politekhicheskii Institut imeni Kirova [Ural Polytechnic Institute imeni Kirov]). Some Problems in the Practice of Organizing Rhythmic Operations in the Machine-building Plants of the Urals

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5-24-59

*G. A. KOCHETKOV, V. I.*  
AUTHOR: Kochev, V.A., and Ganshtak, V.I., Dotsents 3-58-5-10/35  
TITLE: To the Urals - a Polytechnical Correspondence Institute  
(Uralu - zaachnyy politekhnicheskii institut)  
PERIODICAL: Vestnik Vysshey Shkoly, 1958, Nr 5, pp 40 - 41 (USSR)  
ABSTRACT: The activity of a number of faculties of correspondence tuition and particularly the faculty of the Ural'skiy politekhnicheskii institut (UPI) (Ural Polytechnical Institute) have made it evident that an independent Polytechnical Correspondence Institute should be established in Sverdlovsk. At the beginning of the 1957/58 school year, the UPI Faculty of Tuition by Correspondence, with 12 instructional-consultation points, served over 7,000 students in 25 specialties. It is expected that in the next year the number will rise to 9,000. It is apparent that the institute's correspondence faculty is in an increasingly difficult situation. During the last 3-4 years, all the faculties of the Sverdlovsk - vtuzes have received new blood. The newcomers are comparatively young (up to 30 years) with a better general-theoretical training, ensuring a normal study at all courses and graduation within the fixed time. After

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several years, the number of graduates at the UPI Correspondence Faculty will rise to 1,000 per year and this will seriously complicate the work of many chairs, especially that of mechanics, power engineering and metallurgy, where at present 2,100, 1,731 and 955 correspondence-students are being trained. The article mentions the difficulties experienced in performing the laboratory course and graduation work, the instructors' insufficient qualifications and the lack of textbooks and methodical literature. The new Ural Polytechnical Correspondence Institute should take as a basis the correspondence faculties of the Ural Polytechnic, Forestry-Engineering and the Sverdlovsk Mining Institutes.

ASSOCIATION: Ural'skiy politekhnicheskii institut imeni S.M. Kirova  
(Ural Polytechnical Institute imeni S.M. Kirov)

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SOV-118-58-8-21/24

AUTHORS: Ganshtak, V.I., Gotlober, V.M., Candidates of Economic Sciences

TITLE: Economic Effectiveness of New Engineering Methods (Ob ekonomicheskoy effektivnosti novoy tekhniki)

PERIODICAL: Mekhanizatsiya trudy i tyazhelykh rabot, 1958, <sup>12</sup>№ 8 pp 42-43 (USSR)

ABSTRACT: The authors discuss the economic effectiveness of new engineering methods and automation in particular. They cite L.A. Korsov, Professor G.A. Shaumyan, V.A. Ruzin and G.I. Levin whose articles were published in past issues of this periodical. The effectiveness of a new method is determined by the degree of its conformity with economic socialist laws and economic political problems of the moment. A system of indicators is necessary to determine this. Every one-sided evaluation of the method will create a wrong conclusion, as was proved by Academician S.G. Strumilin in his book "Economic Problems of Industrial Automation", e.g. where only labor savings are taken into account without considering other conditions. It is impossible to find a general criterion for the economic effectiveness, since each branch of industry has its own

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Economic Effectiveness of New Engineering Methods

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indicators. One of the general indicators will be the commensuration of capital investments and current expenses with the help of an amortization period, but such periods must be calculated separately for each branch of industry. The influence of a new method on the change in working conditions and on improvement in the qualification of workers must also be taken into consideration. The correct fixing of prices for the means of production, particularly necessary machines and equipment, is an important indicator that helps to determine the effectiveness of a new method. There are 4 references.

1. Engineering--Economic aspects

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SOV/122-58-12-26/32

AUTHORS: Ganshtak, V.I., Candidate of Economic Sciences, ~~Docent~~  
and Smirnitkiy, Ye.K., Candidate of Economic Sciences,  
Docent.

TITLE: The Problems of the Economics of the Modernisation of  
Equipment (Ekonomicheskiye voprosy modernizatsii  
oborudovaniya)

PERIODICAL: Vestnik Mashinostroyeniya, 1958, Nr 12, pp 67-69 (USSR)

ABSTRACT: The economics of modernisation is not always adequately  
examined. Out of 130 machine tools modernised at the  
Turbo Motor Works (Turbomotornyy zavod) of the Sverdlovsk  
Economic Council (Sovnarkhoz), only 47 were examined for  
economic effectiveness. The modernization cost was  
summarily estimated at 25% of a major overhaul. As a  
result, in 1957, 3 machine tools were idle, 9 were under-  
loaded, 3 were partly modernised and 78 had not been  
revised for rate fixing standards. At the "Uralsmashzavod"  
out of 157 items of plant scheduled for modernization,  
only 18 had their output re-examined with an expectation  
of between 2 and 15% rise in productivity. In only 1  
case were rate fixing standards revised. Attention is

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The Problems of the Economics of the Modernisation of Equipment

drawn to instructions issued by the former Production Ministries and by the ENIMS Institute. In the last resort, the annual savings should be compared with the capital cost to determine the period during which modernisation expenditure is retrieved. Computation should be extended to several types of components. Only direct costs are included. The example of a lathe modernisation is given. Several variants of financing modernisation plans are discussed. State Bank credits are available for expenditure which pays for itself in less than 2 years. The use of the depreciation funds does not impose the need to prove profitability but should nevertheless be retained. Special conditions rather than overall percentages should govern modernisation plans.

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SOV/122-58-12-26/32

The Problems of the Economics of the Modernisation of Equipment

Chief Maintenance Engineers should be offered incentive plans to be tied to annual savings.

There are 1 table and 1 Soviet reference.

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GANSHTAK, V.I., dots., kand. ekon. nauk; ROZENBERG, I.A., dots., kand. ekon. nauk

Organizing rhythmical production flow in Ural machinery plants.  
Trudy LISI no.22:51-58 '58. (MIRA 11:12)

1. Ural'skiy Politekhicheskiy institut imeni Kirova.  
(Ural Mountain region--Machinery industry) (Factory management)

BOGATYRENKO, Zakhariy Semenovich; SHMAKOV, Ivan Stepanovich, kand.  
ekonom.nauk; GANSHTAK, Vladimir Iosifovich, kand.ekonom.nauk;  
SHNAYDER, Mikhail Vladimirovich; SAVCHENKO, Ye.V., tekhn.red.

[Basic means for reducing industrial costs] Osnovnye puti  
snizheniya sebestoimosti promyshlennoi produktsii. Moskva,  
Izd-vo "Znanie," 1959. 79 p. (Vsesoiusnoe obshchestvo po  
rasprostraneniю politicheskikh i nauchnykh znaniy. Ser.3.  
Ekonomika, nos.26-27) (MIRA 12:8)

1. Nachal'nik planovogo otdela zavoda "Kauchuk" (for Shnayder).  
(Costs, Industrial)

25(5)

SOV/117-59-4-31/36

AUTHOR: Ganshtak, V.I., Candidate of Technical Sciences

TITLE: A Useful Manual

PERIODICAL: Mashinostroitel', 1959, Nr 4, pp 44-45 (USSR)

ABSTRACT: This is a review of the book "Planirovaniye na mashinostroitel'nom zavode" ("Layout in Machine-Building Plant"), by G.Ya. Mett and N.Yu. Yur'yev, published by Mashgiz in 1957. There is 1 Soviet reference.

Card 1/1

GANSHTAK, Vladimir Iosipovich; SHESTAKOV, V.M., inzh., retsenzent;  
YUR'YEV, N.M., inzh., retsenzent; TKACHUN, A.I., red.izd-va;  
MODEL', B.I., tekhn.red.

[Economic analysis of potentials in a machinery manufacturing  
enterprise] Ekonomicheskii analiz rezervov na mashinostroi-  
tel'nom predpriyatii. Moskva, Gos.nauchno-tekhn.izd-vo mashino-  
stroit.lit-ry, 1960. 263 p. (MIRA 13:12)  
(Machinery industry--Accounting)

GANSHTAK, V.; ROZENBERG, I.

The organizational and technical plan is the basis for planning the  
growth of labor productivity. Sots.trud 5 no.1:42-48 Ja '60.  
(MIRA 13:6)

(Industrial management)  
(Labor productivity)

GAUSHTAK, V.I., kand.ekon.nauk, dots.; MAYDANCHIK, B.I., inzh.

Determining production capacity in the machinery industry. Vest.  
mash. 40 no.2:77-82 F '60. (MIRA 13:5)  
(Production control)



GANSHTAK, V.; GOTLOBER, V. (Sverdlovsk)

Useful book ("Business accounting in industry" by S.K. Tatur.  
Reviewed by V. Ganshtak, V. Gotlober). Fin. SSSR 21 no.2:89-91  
F '60. (Finance) (MIRA 13:1)  
(Tatur, S.K.)

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S/182/60/000/003/005/007  
A161/A029

AUTHORS: Ganshtak, V.I.; Maydanchik, B.I.

TITLE: The Efficiency of Forging Shops

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, 1960, No. 3, pp. 34 - 36

TEXT: Metalworking by pressure should be used on a broad scale in the USSR in accordance with government decisions. The authors discuss the situation using data of a study carried out in 1958 - 1959 by research institutes and planning organizations of Sverdlovsk sovnarkhoz in the Urals. About 60% of all forging shops are small, with an annual output of less than 1,000 tons. In the Sverdlovsk region (Table 2) 90% of the forging shops are employing 51.2% of the labor and 73.3% of the equipment, and produce only 25% of the total forgings output. High costs are the result. Table 3 gives the prime costs per ton in thousand rubles at seven small Ural works (last column in table), ranging between 2.52 and 4.47 thousand per ton. The works are: Irbit'skiy avtopritsepnny (Irbit Automobile Trailer Works); Uralgidromash; Artemovskiy mashinostroitel'nyy (Artemovskiy Machine Building); Krasnogvardeyskiy kranovyy (Krasnogvardeysk Crane Works); Karpinskiy mashinostroitel'nyy (Karpinsk Machine Building Works);

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The Efficiency of Forging Shops

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Alapayevskiy mashinostroitel'nyy (Alapayevsk Machine Building) and Kyshtymskiy mekhanicheskii (Kyshtym Mechanical Works). At one of the large forging shops the costs per one ton was only 1,350 rubles. The quantity of obsolete equipment is high. Over the entire Sverdlovsk sovnrarkhoz region by August 1, 1958, 31% of machines were 20 years old and older, 31% between 10 and 20, and only 34% less than 10 years old. The Uralmashzavod has 31.3% forging machines older than 20 years, the Turbomotornyy zavod (Turboengine Works) 36.4%, the Uralkhimzavod 46.2%, the Verkhne-Serginskiy machine building works 45.3%, and at the forging shop of a pump works all 100% of equipment is obsolete. The organizational and technical level is low: free forging predominates, stamping with latest high-productive presses is scarcely used at all; 30% of forging shops have unsuitable buildings, more than 60% have no billeting departments, about a half of all shops have no heat treatment sections. There is no established method for evaluating the technical level. Attempts in this direction exist, as for instance by V.N. Glushkov and A.D. Bogdan (article "Evaluation of the Technical Level of the Work of Forging Shops", in "Kuznechno-shtampovoechnoye proizvodstvo", No. 5, 1959) who analyzed the level of a group of similar shops. The authors point out that the basic criterion is a correct evaluation of ready production, and it must 1) reflect the actual volume of work done in the shops; 2) give in-

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The Efficiency of Forging Shops

centive for technical progress; 3) be stable and not depend on factors like the changing weight of forgings; 4) not be distorted when the complexity of forgings changes; 5) permit the work in different years to be compared; 6) make possible comparison of work of different shops. The presently practiced evaluation system does not fully satisfy any of these six conditions. Evaluation by weight does absolutely not stimulate production of light-weight complex forgings requiring more work time, and it does not help technical progress; production workers are not interested in reduced allowances and accurate billets. There are attempts to find better evaluation indices: some shops are planning and evaluating production in constant prices; at the Karpinskiy works and some others the plan prime costs are used for index; at the zavod im. Vorovskogo (imeni Vorovskiy Works), the work consumption in work-hours. Still, these methods have advantages comparing with evaluation by weight, but they have also serious disadvantages. The method suggested by A.S. Kats (in "Kuznechno-shtampovochnoye proizvodstvo" No. 6, 1959) - evaluation by "values of similar work consumption" - can be considered as the best, but it takes development of an All-Union specification. It is obviously proper to determine the production of a forging shop not by the planned production nomenclature only, but also in nomenclature that fits the shop best when it is specialized. The authors think that these two

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The Efficiency of Forging Shops

calculation methods will show the present and the latent capacity and reveal losses caused by wrong utilization of equipment.

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S/128/60/000/012/001/014

A054/A030

AUTHORS: Ganshtak, V.I.; Maydanchik, B.I.

TITLE: Urgent Problems of Foundry Economics

PERIODICAL: Liteynoye proizvodstvo, 1960, No. 12, pp. 5 - 7

TEXT: It was evident upon analyzing the results of the inquiry carried out by the NIPTIMASH (Sverdlovsk) into the technological and economic efficiency of the foundries in the Sverdlovsk district that the foundries there were lagging behind, both from a technological and from an organizational-economic viewpoint. The foundry industry in this district is considerably scattered: 1959, 42% of steel foundries produced less than 500 tons, and one third less than 200 tons of castings annually. These foundries together produced 8.3% of the total castings production, while 79.1% of the annual output was produced by four large foundries. The following figures are available for the iron foundries: 40% of the foundries had an annual output of less than 500 tons, 33% between 500 and 2,000 tons, so that 75% of the foundries did not produce more than 16% of the total output, while 66% of the annual production is accounted for by those foundries having an output of over 6,000 tons/year. The figures for the foundries produc-

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Urgent Problems of Foundry Economics

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ing colored metals are even less favorable: only three foundries produced more than 500 tons, while the annual production of 70% of these foundries did not exceed 50 tons. Most foundries produced a wide range of steel and iron castings. Consequently the production programs of the foundries are not specialized sufficiently and only 2% of them come up to the standards set for up-to-date foundries. The inquiry also revealed that about 32% of the foundries were inadequately mechanized. In the foundry workshop of the up-to-date Gidromashin factory only 10% of the molding and casting operations was mechanized. The development of precision casting was not satisfactory either. In general it may be said that the forming and molding machines and the space available were not utilized efficiently. Moreover, most factories worked according to a "stepwise" production schedule, whereas by replacing this method of production by the "parallel" system, production could be raised by 60 - 70%. In 1958, in an iron foundry working according to the parallel production schedule, the output related to 1 m<sup>2</sup> of the foundry amounted to 2.45 tons/year, the labor required per 1 ton of product was 35.9 standard hours; while these figures for a similar foundry working according to the "stepwise" production scheme are: 0.96 tons/year and 113 standard hours. In spite of these striking facts the "stepwise" production method is still being applied even in new foundries. One of the reasons for


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this unsatisfactory state of affairs is that technical-economic analysis of the foundry operation has been neglected. The technical progress in foundries lags behind that of engineering works. The foundry-equipment in the Sverdlovsk district only represents 3.8% of the total equipment of engineering works in the same area. After sizing up the situation, the District Economic Council took appropriate measures to raise the efficiency of foundries. By intensifying the cooperation between foundries and factories in the district, the foundry production programs could be put on a more specialized basis, as a result there was a considerable increase in production capacity. New, fully mechanized foundries have been planned. Wherever it seemed more economical, however, preference is given to the reconstruction and modernization of existing foundries. More attention is being paid to the time factor. The time required for building and reconstructing foundries will have to be shortened. The foundry of the Ural Factory of Hydraulic Machines has already been under construction for five years and is not yet ready. Construction and specialization of foundries to meet standard requirements are the main conditions for the future development of the foundry industry and this is unimaginable without mechanization, automatization and improved organization. Besides the reorganization of the large-capacity foundries due attention must also be paid to the smaller and medium sized



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foundries. The example of the Stromashina factory (annual output 2,000 tons, of which 500 tons are small castings) shows that by mechanizing operations and by specializing the production program as far as possible, the smaller foundries can also be made to operate efficiently. The above named factory took the initiative to borrow money from the Sovbank and mechanized its workshops, for which purpose 285,000 rubles were invested. The output of the factory was raised by 1,100 tons and the cost of 1 ton castings decreased by 234 rubles to 1,201 rubles. More attention will have to be paid in future to comparative analysis and productivity-evaluation of various foundries and radical alterations will have to be made in the planning methods, also. During the last 10 - 20 years, the technology of foundries changed considerably, whereas planning methods remained unchanged. Up till now productivity was planned based on the output per worker and on products referring to 1 m<sup>2</sup> of the foundry area, in tons. This principle inevitably results in chasing the tonnage and evading, as far as possible, the production of light castings which are labor consuming. In order to eliminate these drawbacks the production indices will in future be planned in such a way that they are related not only to the weight of the product, but also to its monetary value, to the degree of intricacy of its production and to the costs of labor in workshop and factory. By including these factors into the planning of indices, a more reliable picture will be obtained of the production volume of

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the factory than when the production is only indicated by weight. There are 4 tables.

Table 1: Comparison of foundry and engineering workshop in the factory imeni Vorovsk

Indices	Foundry	Engineering workshop
Relative number of workers employed for mechanized operations, in %	31	67
Technical equipment for 1 worker in thousand rubles	24	38
Technological equipment for 1 worker in thousand rubles.	3.7	22

✓

Card 5/5

GANSHTAK, Vladimir Iosifovich

Ekonomicheskiy Analiz Rezervov na Mashinostroitel'-  
nom Predpriyatii. Moskva, Mashgiz, 1960.  
263 p. Charts, graphs, tables.  
Bibliography: P.262.

GANSHTAK, V.I., kand.ekon.nauk; MAYDANCHIK, B.I., inzh.

Economic analysis of technological standards in plants. Vest.mash.  
41 no.8:78-81 Apr '61. (MIRA 14:8)

(Industrial management)

GANSHTAK, V.I., kand.ekonom.nauk, dotsent; ZAKORYUKINA, L.I., inzh.;  
RYZHOVA, V.V., inzh.

Main problems in the economics of the auxiliary workshops of machinery  
manufacturing enterprises. Trudy Ural. politekh. inst. no.120:  
62-75 '61. (MIRA 16:6)  
(Sverdlovsk Province—Machinery industry—Management)

KALININ, Petr Yefeyevich; GANSHTAK, V.I., kand. ekon.nauk, retsenzent;  
VARNACHEV, A.N., inzh., red.; DUGINA, N.A., tekhn. red.

[Economics and the organization of production in heat-  
treatment workshops] Ekonomika i organizatsiya proizvodstva  
v termicheskikh tsekhakh. Moskva, Mashgiz, 1962. 111 p.  
(MIRA 15:9)

(Machinery industry) (Metals--Heat treatment)

DUMLER, Sergey Avgustovich; GANSHTAK, Vladimir Iosifovich;  
SAKSAGANSKIY, Teodor Davydovich; SATEL', E.A., zasl. deyatel'  
nauki i tekhniki, prof., doktor tekhn. nauk, reitsenent;  
KUZNETSOV, P.V., ekon., red.; DUGINA, N.A., tekhn. red.

[Fundamentals of the economics and organization of the machinery  
industry] Osnovy ekonomiki i organizatsii mashinostroitel'nogo  
proizvodstva. Moskva, Mashgiz, 1962. 472 p. (MIRA 15:6)  
(Machinery industry)

GANSHTAK, Vladimir Iosifovich, kand. ekonom. nauk, dots.;  
ROZENBERG, Ivan Aleksandrovich, kand. ekonom. nauk, dots.;  
TERENT'YEV, P., red.; TROYANOVSKAYA, N., tekhn. red.;  
SERBIN, Ye., tekhn. red.

[Means for improving the management of an industrial  
enterprise] Puti sovershenstvovaniia upravleniia promysh-  
lennym predpriatiem. Moskva, Gospolitizdat, 1962. 190 p.  
(MIRA 15:7)

1. Ural'skiy politekhnicheskii institut (for Ganshtak, Rozen-  
berg).

(Industrial management)



GANSHTAK, V.; MAYDANCHIK, B.

Analyzing the technical standards of production and uncovering hidden potentialities for increasing labor productivity. Biul. nauch. inform.: trud i zar. plata 5 no.5:3-8 '62. (MIRA 15:7)  
(Sverdlovsk Province--Machinery industry--Technological innovations)

KALININ, Petr Yegorovich; GANSHTAK, V.I., kand.ekon. nauk, retsenzent;  
VARNACHEV, A.N., inzh., red.; DUGINA, N.A., tekhn. red.

[Economics and production organization in heat-treatment work-  
shops] Ekonomika i organizatsiia proizvodstva v termicheskikh  
tsekhakh. Moskva, Mashgiz, 1962. 111 p. (MIRA 16:1)  
(Machinery industry--Management)  
(Metals--Heat treatment)

VERSHININ, A.M.; GANSHTAK, V.F.; ZHUKOV, P.A., prof.; KONVALOV, V.N.;  
MASLICH, G.Ye.; RADUKIN, V.P.; ROZENBERG, I.A.; SMIRNITSKIY,  
Ye.K.; PRUDENSKIY, G.A., retsenzent; NEYMARK, A.I., doktor  
tekhn. nauk, prof., retsenzent; BEZUKLADNIKOV, M.A., inzh.,  
ved. red.; DUGINA, N.A., tekhn. red.

[Economics of machinery manufacturing; the organization and  
planning of enterprises] Ekonomika mashinostroeniia, organi-  
zatsiia i planirovanie predpriatii. [By] A.M. Vershinin i dr.  
Moskva, Mashgiz, 1963. 504 p. (MIRA 16:9)  
(Machinery industry--Management)

GANSHTAK, V., prof.

Stimulate the improvement of the quality of production. Fin. SSSR 37  
no.10:37-44 0 '63. (MIRA 17:2)

GANSHTAK, Vladimir Iosifovich, doktor ekon. nauk; ZHUKOV, Pavel Aleksandrovich, prof.; PETROV, V.V., inzh., retsenzent; GETLING, Yu., red.

[Production potentials are limitless! Based on the example of the machinery manufacturing enterprises of Sverdlovsk Province] Rezervy proizvodstva neischerpaemy. Na primere mashinostroitel'nykh predpriyatii Sverdlovskoi oblasti. Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1963. 207 p. (MIRA 18:3)

1. Nachal'nik Upravleniya truda i zarabotnoy platy Sredne-Ural'skogo sovnarkhoza (for Petrov). 2. Politekhnikheskiy institut imeni S.M.Kirova (for Zhukov).

GANSHTAK, V.I., doktor ekonomicheskikh nauk, prof.; OYKHEN, K.F., inzh.

Problems in proper utilization of equipment in the machinery  
industry. Vest. mashinostr. 43 no.10:74-78 0 '63. (MIRA 16:11)

ZHUKOV, P.A.; GANSHTAK, V.I.; SERGEYEV, A.Ye., inzh., retsenzent;  
SUSTAVOV, M.I., inzh., red.

[Bureaus of economic analysis staffed with volunteers in  
machinery manufacturing plants] Obshchestvennye biuro eko-  
nomicheskogo analiza na mashinostroitel'nykh zavodakh.  
Izd.2., perer. i dop. Moskva, Mashinostroenie, 1964. 137 p.  
(MIRA 17:6)

GABRIEL'YAN, Vladimir Iosifovich; KAYD'NOVIK, Banya Iosifovich;  
EYDEL'MAN, B.I., red.; KUZNEVSKAYA, S.A., mladshiy red.

[Interplant economic analysis; methods and practice in  
carrying it out; Mezhsavodskii ekonomicheskii analiz; me-  
todika i opyt provedeniia. Moskva, Ekonomika, 1964. 195 p.  
(MIRA 17:8)



BLYUKHER, V.V., inzh.; GANSHTAK, V.I., doktor ekonom.nauk; KUZ'MENKO, B.P., inzh.

Promoting the increase in production quality. Vest.mashinostr. 45  
no.3:75-77 Mr '65. (MIRA 18:4)

BATOV, B.I.; GANSHTAK, V.N.

Problems concerning the economy of electric power in industry.

Prom. energ. 15 no.11:3-5 W '60.

(MIRA 14:9)

(Electric power)

GANSHTAK, Ya.; DIDENKO, R.

First volume of the "Trade Dictionary." Reviewed by IA. Ganshtak,  
R. Didenko. Sov.torg. no.5:50-52 My '57. (MLRA 10:8)  
(Commerce--Dictionaries)

GANSHTAK, Ya.

Retail trade lays claims. Standartizatsiia 29 no.5:23 My '65.  
(MIRA 19:1)

1. Kommercheskiy direktor trgovoy firmy "Detskiiy mir", Moskva.